

GenScore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: October 17, 2003, 08:54:28 : Search time 875 Seconds

(without alignments)
7743.326 Million cell updates/sec

Title: US-10-047-593-5

Perfect score: 2580

Sequence: 1 ggggcccgaataacagctc.....cgctctaggaagggacat 2580

Scoring table: IDENTITY_NUC

Gapop: 10.0, Gapext: 1.0

Searched: 1750203 seqs, 131306394 residues

Total number of hits satisfying chosen parameters: 3500406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA.*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/PCR_NEM_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/PCR_NEM_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEM_PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/PCR05_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEM_PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
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- 10: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US05_PUBCOMB.seq.*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being plotted, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2579.6	100.0	2580	13	US-10-047-593-5
2	2579.6	100.0	2580	13	US-10-047-593-5
3	2579.6	100.0	2580	13	US-10-047-593-5
4	2579.6	100.0	2580	13	US-10-047-593-5
5	2579.6	100.0	2580	13	US-10-047-593-5
6	2579.6	100.0	2580	13	US-10-047-593-5
7	2579.6	100.0	2580	13	US-10-047-593-5
8	2579.6	100.0	2580	13	US-10-047-593-5
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11	2579.6	100.0	2580	13	US-10-047-593-5
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17	46.4	1.8	659158	10	US-09-771-208-20	Sequence 20, Appl
18	46.2	1.6	295	9	US-09-864-761-21553	Sequence 21553, A
19	45.6	1.8	1525	13	US-10-027-632-262624	Sequence 262624, A
20	45.6	1.8	3673778	12	US-10-312-841-18918	Sequence 2, Appl1
21	45.2	1.8	32195	9	US-09-764-870-611	Sequence 18918, A
22	45.2	1.8	32195	9	US-09-764-870-611	Sequence 611, App
23	45.2	1.8	32195	9	US-09-764-870-611	Sequence 617, App
24	45.2	1.8	32195	9	US-09-764-870-611	Sequence 1605, App
25	45.2	1.8	32195	14	US-10-125-540-611	Sequence 611, App
26	45.2	1.8	32195	14	US-10-125-540-611	Sequence 1605, App
27	45.2	1.8	32195	14	US-10-091-504-1605	Sequence 611, App
28	45	1.7	2580	13	US-10-047-593-5	Sequence 1605, App
29	45	1.7	7789	13	US-10-047-593-5	Sequence 3, Appl1
30	44.6	1.7	50000	14	US-10-152-724-23	Sequence 23, Appl1
31	44.4	1.7	1525	13	US-10-027-632-262623	Sequence 262623, A
32	44.2	1.7	671	14	US-10-184-634-346	Sequence 346, App
33	44.2	1.7	671	14	US-10-184-634-346	Sequence 346, App
34	44	1.7	687	13	US-10-027-632-14335	Sequence 14335, A
35	44	1.7	687	13	US-10-027-632-14335	Sequence 14337, A
36	44	1.7	6593	12	US-10-311-455-1484	Sequence 1484, App
37	44	1.7	8693	14	US-10-172-086-38	Sequence 38, Appl
38	43.6	1.7	687	13	US-10-027-632-14336	Sequence 14336, App
39	43.2	1.7	594	12	US-10-140-472-10	Sequence 10, Appl
40	43.2	1.7	594	12	US-10-140-472-10	Sequence 10, Appl
41	43.2	1.7	594	12	US-10-142-885-10	Sequence 10, Appl
42	43.2	1.7	594	12	US-10-158-790-10	Sequence 10, Appl
43	43.2	1.7	594	14	US-10-123-155-10	Sequence 10, Appl
44	43.2	1.7	594	15	US-10-146-731-10	Sequence 10, Appl
45	42.8	1.7	661	13	US-10-027-632-205348	Sequence 205348, A

ALIGNMENTS

RESULT 1
US-10-047-593-5
Sequence 5, Application US/10047593
Publication No: US20020170094A1
GENERAL INFORMATION:
APPLICANT: Crane, Edmund H. III
TITLE OF INVENTION: Maize NPTI Polynucleotides and Methods
FILE REFERENCE: 1090D2
CURRENT APPLICATION NUMBER: US/10/047,593
CURRENT FILING DATE: 2002-01-15
PRIORITY FILING DATE: 2000-04-18
PRIORITY FILING DATE: 1999-04-23/130,692
PRIOR APPLICATION NUMBER: 09/551,778
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO: 5
LENGTH: 2715
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: promoter
LOCATION: (1)...(2715)
US-10-047-593-5

Query Match 100.0% Score 2579.6 DB 13 Length 2580

Best Local Similarity 100.0% Pident No. 0

Matches 2580 Conservative 0 Mismatches 0 Indels 0 Gaps 0

DB 1 CGGCGCCGCAATACGACCTACTATAGGGGAGAGAAATGGATCTCTCTATTGGG 60
1 CGGCGCCGCAATACGACCTACTATAGGGGAGAGAAATGGATCTCTCTATTGGG 60
CY 61 GAAGCCGACCTTGGCCCTTGGAGCGCTTGGCGACCGGACACTCTCCGGTGCACACCG 120
61 GAAGCCGACCTTGGCCCTTGGAGCGCTTGGCGACCGGACACTCTCCGGTGCACACCG 120
DB 61 GAAGCCGACCTTGGCCCTTGGAGCGCTTGGCGACCGGACACTCTCCGGTGCACACCG 120


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Db      238:  GGACCTCTTCTTCACAGTTCCTGAGACCCCTACACGCTCTCTGAGTCACTCTCTGCCCCCTC 2340
Qy      2341:  CGAGACCCGCGCAACAAATCCCTCAAGCTTAATCCCTGTAGCTACTACTGCGCCCTCTGGA 2409
Db      2341:  CGAGACCCGCGCAACAAATCCCTCAAGCTTAATCCCTGTAGCTACTACTGCGCCCTCTGGA 2406
Qy      2401:  TCCCTTTTCACTGTGTCTAGATTAGGACCGCGCGGTAGAGAAAGAAAGAGAGAGAC 2460
Db      2401:  TCCCTTTTCACTGTGTCTAGATTAGGACCGCGCGGTAGAGAAAGAAAGAGAGAGAGAC 2460
Qy      2461:  CATATTTCTGTCTGTGCGCTGACGACGCGCGGTAGAGATTGAGTTCGCGGATCGGCAAC 2529
Db      2461:  CATATTTCTGTCTGTGCGCTGACGACGCGCGGTAGAGATTGAGTTCGCGGATCGGCAAC 2520
Qy      2521:  CGTGGAGAGACTCGCGGTGTGATTAGCGCGGACTTCGCTCGGCTGAGGAAGAGTACACT 2580
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RESULT 2
US-10-047-593-3
: Sequence 3: Application US/10047593
: Publication No. US20020170094A1
: GENERAL INFORMATION:
: APPLICANT: Crane, Edmund H. III
: APPLICANT: Rice, Douglas A.
: TITLE OF INVENTION: Maize Npr. Polynucleotides and Methods
: FILE REFERENCE: 1090D2
: CURRENT APPLICATION NUMBER: US/10/047,593
: PRIOR FILING DATE: 2002-01-15
: PRIOR APPLICATION NUMBER: 60/130,692
: PRIOR FILING DATE: 1998-04-23
: PRIOR APPLICATION NUMBER: 09/551,778
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 3
: LENGTH: 7789
: TYPE: DNA
: ORGANISM: Zea mays
: FEATURE:
: NAME/KEY: promoter
: LOCATION: (1)...(2715)
: NAME/KEY: 5'UTR
: LOCATION: (2716)...(2781)
: NAME/KEY: exon
: LOCATION: (2782)...(3435)
: NAME/KEY: intron
: LOCATION: (3436)...(3587)
: NAME/KEY: exon
: LOCATION: (3588)...(4738)
: NAME/KEY: intron
: LOCATION: (4739)...(5274)
: NAME/KEY: exon
: LOCATION: (5275)...(5475)
: NAME/KEY: intron
: LOCATION: (5476)...(5565)
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: NAME/KEY: 3'UTR
: LOCATION: (5923)...(6124)
US-10-047-593-3

Query Match: 100.0%; Score 2579.6; Db 13; Length 7789;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2580; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      121:  GAGAGTGAAGGCGGCTTGGAGCGGTTGGAGCGGACCGGACGACCTGTCGGCTGACACCG 180
Qy      181:  GAGAGCGGTTGGAGCGGTTGGAGCGGTTGGAGCGGACCGGACGACCTGTCGGCTGACACCG 240
Db      181:  GAGAGCGGTTGGAGCGGTTGGAGCGGTTGGAGCGGACCGGACGACCTGTCGGCTGACACCG 240
Qy      241:  CGGCTGAGTTTACCGGTTAGCGGTTTACCGGTTTACCGGTTTACCGGTTTACCGGTTTACCG 300
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Qy      301:  GAGGCTGAGCGGACCGGACGCTGCGGTTGAGCGGACCGGACGCTGCGGTTGAGCGGACCGGACG 360
Db      301:  GAGGCTGAGCGGACCGGACGCTGCGGTTGAGCGGACCGGACGCTGCGGTTGAGCGGACCGGACG 360
Qy      361:  AGCTGACTTTGGCTGAGCAAAAGTCTTTTACTTCCAACTGATTTTCTGTTCCAGC 420
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Qy      421:  ACTTGAACAAATATATATATATATATATATATATATATATATATATATATATATATATAT 480
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Qy      481:  TACTTGTGTTGACTTGTGCTGACCAATTTAACACTTGGGCACTTGTGTGACACTAAATC 540
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Qy      541:  ACCAAATATCTTGAAGAGGCGGCAAGGCAATTTCCCTTCAACAGTCGGGTGCGACAC 600
Db      541:  ACCAAATATCTTGAAGAGGCGGCAAGGCAATTTCCCTTCAACAGTCGGGTGCGACAC 600
Qy      601:  CGGAGAGTCGGGTGACCTCTGACTTCTGTGTTCACTTGTGTCGCGGCACTGTTTCCA 660
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Qy      661:  CTATAGCGTTTGGACGTGACCGGTTGGCGCACAGAGACCATTTGCTCCGCTGCGACCG 720
Db      661:  CTATAGCGTTTGGACGTGACCGGTTGGCGCACAGAGACCATTTGCTCCGCTGCGACCG 720
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Qy      781:  GGGCGCGTGGGCTGTGCGGACGCAATGATGTGCGCAAAATATGACACACTGACGT 840
Db      781:  GGGCGCGTGGGCTGTGCGGACGCAATGATGTGCGCAAAATATGACACACTGACGT 840
Qy      841:  CTTTGTCTTCAATTTTATATATATATATATATATATATATATATATATATATATATATAT 900
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Qy      901:  TATGACCTGAGATTAATCATCATCTAGCCAAATGATAGTCATGATGATGATGATGATGAT 960
Db      901:  TATGACCTGAGATTAATCATCATCTAGCCAAATGATAGTCATGATGATGATGATGATGAT 960
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Qy      1021:  CTATATAGTGTGAGACCTGACATGAAAGGTGCTAGGAAAGCCCAAGGCTTGCCTGAA 1080
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Qy      1081:  GGTCTGAGATGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 1140
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RESULT 5
 US-09-923-876-4089/C
 Sequence 4089, Application US/09923876
 Patent No. US20020013958A1
 GENERAL INFORMATION:
 APPLICANT: Iaiyudi, Rayhunnah V.
 APPLICANT: Kamigaki, Laura Y. (lto)
 APPLICANT: Sherman, Bradley K.
 TITLE OR INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLINGS
 FILE REFERENCE: PL-0032-1 CORN
 CURRENT APPLICATION NUMBER: US/09/923, 876
 CURRENT FILING DATE: 2001-08-06
 PRIOR APPLICATION NUMBER: 09/298, 329
 PRIOR FILING DATE: 1999-04-21
 PRIOR APPLICATION NUMBER: 60/085, 331
 PRIOR FILING DATE: 1998-05-05
 NUMBER OF SEQ. ID NOS: 632
 SOFTWARE: PERL Program
 SEQ. ID NO 4089
 LENGTH: 281
 TYPE: DNA
 ORGANISM: Zea mays
 FEATURE:
 NAME/KEY: misc.feature
 OTHER INFORMATION: Incyte ID No. US20020013958A1 700454406H1
 US-09-923-876-4089

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QY 1644 TAAATTCGAGAGAGAGCTGATGAGAGAAAGCTGAGATGATGATGATGAGAGAA 1703
DB 4509 TTTTGTATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4668
QY 1704 TCGATGTTAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1763
DB 4669 TAAATGAGCTGATTTATTTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAA 4826
QY 1764 GGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1817
DB 4129 AGAAATAGCTTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 4186
QY 1818 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1877
DB 4186 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4248
QY 1878 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1937
DB 4248 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4306
QY 1878 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1937
DB 4248 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4306

RESULT 13

US-10-311-455-1398
Sequence 1398, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIERENBROCK, Christiaan
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of diseases associated with the immune system by detecting
FILE REFERENCE: 5013-1014
CURRENT FILING DATE: 2002-12-16
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1398
LENGTH: 5572
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1398

Query Match 1.88; Score 47.4; DB 12; Length 5572;
Best Local Similarity 46.38; Pred. No. 0.12;
Matches 156; Conservative 0; Mismatches 181; Indels 0; Gaps 0;

QY 1584 TCAAGTACCTGCTTTTGGACCTTGACACAAAGCTTTAAAGTAAATTCACAAAT 1620
DB 3949 TATTTTATTTTATTTTATTTTATTTTAAATTTTAAATTTTAAAGCTTTTAAAGT 4098
QY 1644 TAAATTCGAGAGAGCTGATGAGAGAAAGCTGAGATGATGATGATGAGAGAA 1703
DB 4509 TTTTGTATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4668
QY 1704 TCGATGTTAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1763
DB 4669 TAAATGAGCTGATTTATTTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAA 4826
QY 1764 GGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1817
DB 4129 AGAAATAGCTTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 4186
QY 1818 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1877
DB 4186 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4248
QY 1878 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTA 1937
DB 4248 TTTTATGAGATGATGAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 4306

QY 1601 GTAGAGTTTGTACAGTTTATTTAGAGATTCATAGAGTATTTATAGAGATTCAG 1860
DB 4870 GTATATTTTATAGATTTATTTGAGAGATGATTAATTTATTTTATAGAGATTTGTATATAG 4929
QY 1861 CATATAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920
DB 4930 AAAATGTTTAAATTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTT 4989

RESULT 14

US-10-240-452-60
Sequence 60, Application US/10240452
Publication No. US20030162194A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIERENBROCK, Christiaan
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of diseases associated with apoptosis
FILE REFERENCE: 5013-1006
CURRENT FILING DATE: 2002-10-02
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 78
SEQ ID NO 60
LENGTH: 5572
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-452-60

Query Match 1.88; Score 47.4; DB 12; Length 5572;
Best Local Similarity 46.38; Pred. No. 0.12;
Matches 156; Conservative 0; Mismatches 181; Indels 0; Gaps 0;

QY 1561 TCAAGTACCTGCTTTTGGACCTTGACACAAAGCTTTAAAGTAAATTCACAAAT 1620
DB 4630 TTTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 4689
QY 1621 TAACTGTTATGATTAAGCAAACTAATTTGAGAGAGAGCTGATGAGAGAAAGCTGCG 1680
DB 4690 TCGATATAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 4749
QY 1681 GTGATATCATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
DB 4750 GTTGTGTGATTTTGGATTAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAAT 4809
QY 1741 TCAAGTACCTGCTTTTGGACCTTGACACAAAGCTTTAAAGTAAATTCACAAAT 1800
DB 4810 TTTTGTGTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTT 4869
QY 1801 GTAGAGTTTGTACAGTTTATTTAGAGATTCATAGAGTATTTATAGAGATTCAG 1860
DB 4870 GTATATTTTATAGATTTATTTGAGAGATGATTAATTTTATAGAGATTTGTATATAG 4929
QY 1861 CATATAGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920
DB 4930 AAAATGTTTAAATTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTT 4989

RESULT 15
US-10-311-455-1665/C
Sequence 1665, Application US/10311455

DB 241 CCGGATATATACCGGACGCCCTTAATCACTGCGGAGAGAGAGAGATGCCCGAGAG 300
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DB 301 CAGCCCTGGGACCGGACAGCTGTCCGGTGAACCAAGAGAGAGAGAGAGAGAGAGAG 360
QY 361 AGCTGACTTGGTGAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
DB 361 AGCTGACTTGGTGAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
QY 421 ACTGAGACACATACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 480
DB 421 ACTGAGACACATACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 480
QY 481 TACTTGGTATGCTATGCTGACATTAATGCTGTAAAGAAATATATATATATATATAT 540
DB 481 TACTTGGTATGCTATGCTGACATTAATGCTGTAAAGAAATATATATATATATATAT 540
QY 541 AGCAAAATACTTAATAATATGCGCAAGGACATTAATGCTGTAAAGAAATATATATAT 600
DB 541 AGCAAAATACTTAATAATATGCGCAAGGACATTAATGCTGTAAAGAAATATATATAT 600
QY 601 CGGACAGTCCGCTGACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 660
DB 601 CGGACAGTCCGCTGACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 660
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DB 661 CTATAGGCTTTGAGTGAACCGCTGCGGACAGAGAGAGAGAGAGAGAGAGAGAGAG 720
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DB 721 GACAGTCCGATTAATGCTGTAAAGAAATATATATATATATATATATATATATATAT 780
QY 781 GAGGCGCTGCGCTGACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 840
DB 781 GAGGCGCTGCGCTGACATTAATGCTGTAAAGAAATATATATATATATATATATATAT 840
QY 841 CTTTGGCTTCAATTTTATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
DB 841 CTTTGGCTTCAATTTTATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
QY 901 TATGCACTGAGTAAATATGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
DB 901 TATGCACTGAGTAAATATGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
QY 961 CGTCACTACTAAATATATATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
DB 961 CGTCACTACTAAATATATATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
QY 1021 CTATATAGTCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGA 1080
DB 1021 CTATATAGTCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGAAGCTTGA 1080
QY 1081 GCTGCTGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
DB 1081 GCTGCTGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
QY 1141 GCTGCTGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
DB 1141 GCTGCTGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
QY 1201 TCTTGGGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1260
DB 1201 TCTTGGGACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1260
QY 1261 CTATGCTTGAATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
DB 1261 CTATGCTTGAATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
QY 1321 CTATGCTGAGATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
DB 1321 CTATGCTGAGATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380

DB 1321 CTATGCTGAGATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
QY 1381 GCGACATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
DB 1381 GCGACATGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
QY 1441 ATTGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1500
DB 1441 ATTGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1500
QY 1501 ATCAAAATACCTTCTTACCAATTTGCTCAATTTATATTTTGTGCTTCAATTAACAAAC 1560
DB 1501 ATCAAAATACCTTCTTACCAATTTGCTCAATTTATATTTTGTGCTTCAATTAACAAAC 1560
QY 1561 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
DB 1561 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
QY 1621 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB 1621 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
QY 1681 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
DB 1681 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
QY 1741 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1800
DB 1741 TCAAAATGCTGCTTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1800
QY 1801 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1860
DB 1801 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1860
QY 1861 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1920
DB 1861 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1920
QY 1921 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1980
DB 1921 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1980
QY 1981 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2040
DB 1981 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2040
QY 2041 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2100
DB 2041 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2100
QY 2101 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2160
DB 2101 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2160
QY 2161 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2220
DB 2161 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2220
QY 2221 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2280
DB 2221 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2280
QY 2281 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2340
DB 2281 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2340
QY 2341 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2400
DB 2341 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2400
QY 2401 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2460
DB 2401 GTCGATGATTCATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2460

D6	1261	CTTGGCTCTTAAATGAAGATCCAAATATACATATTATATATACATATGCAATATATATACCTCA	1350
QY	1321	CTATCTCGAAGATATACATCTCGTTCCGGACACATATAGTAGCTTGGAGAGTAAAGCTTGA	1390
D6	1321	CTATCTCGAAGATATACATCTCGTTCCGGACACATATAGTAGCTTGGAGAGTAAAGCTTGA	1390
QY	1381	GGACACTGTGCGTGCATCAATCAACAATATGGGGGACCAACACACACCTGCACCTATATATAT	1440
D6	1441	ATTTGGCTTGCATATCGAGAGTCCCGATACCAAAAGTACTGGCTTGCTCTTACCCATATA	1500
QY	1381	GGACACTGTGCGTGCATCAATCAACAATATGGGGGACCAACACACCTGCACCTATATATAT	1440
D6	1441	ATTTGGCTTGCATATCGAGAGTCCCGATACCAAAAGTACTGGCTTGCTCTTACCCATATA	1500
QY	1501	ATCAATATACACTCTTATACACATTTTGATCTTATATATTTTGGTTCCATATACAAAC	1560
D6	1501	ATCAATATACACTCTTATACACATTTTGATCTTATATATTTTGGTTCCATATACAAAC	1560
QY	1551	TCAAACTGACTGTTTCTTGGACCTTTGCACATACACCTTAAGCTTAAGTATATACAAAT	1610
D6	1551	TCAAACTGACTGTTTCTTGGACCTTTGCACATACACCTTAAGCTTAAGTATATACAAAT	1610
QY	1621	TAACTGTATATGAANAATCACTATATTCGAGAGAGCTGATTAAGGAANAATCTGCG	1680
D6	1621	TAACTGTATATGAANAATCACTATATTCGAGAGAGCTGATTAAGGAANAATCTGCG	1680
QY	1681	GTGCAATATATGAGCAAAATCGATTTAAACAGTCGTGTGATATTAATTTCTGAG	1740
D6	1681	GTGCAATATATGAGCAAAATCGATTTAAACAGTCGTGTGATATTAATTTCTGAG	1740
QY	1741	TTCCACAGTGCCTTGAACGCGTGAAGAGTCTTGAATTCCTCTTATATATATGA	1800
D6	1741	TTCCACAGTGCCTTGAACGCGTGAAGAGTCTTGAATTCCTCTTATATATATGA	1800
QY	1801	GTAGATTTGTGATAGTTTATTACGATTCATTCGATTTATATAGATATATAGATATATGA	1860
D6	1801	GTAGATTTGTGATAGTTTATTACGATTCATTCGATTTATATAGATATATAGATATATGA	1860
QY	1861	CATATATCTTCACTCTTCTTTTAAATGTCACCAAACTTTCACACACCTTACTAGSA	1920
D6	1861	CATATATCTTCACTCTTCTTTTAAATGTCACCAAACTTTCACACACCTTACTAGSA	1920
QY	1921	GTACAGAAATATGAGCATATTTGATTTTGAATAAAGATATAGATATAGAGT	1980
D6	1921	GTACAGAAATATGAGCATATTTGATTTTGAATAAAGATATAGATATAGAGT	1980
QY	1981	TGGGAGCGCTAGAGACTATGAGAGATATGAGAGACGACCAAGACAGACCTTGCATAT	2040
D6	1981	TGGGAGCGCTAGAGACTATGAGAGATATGAGAGACGACCAAGACAGACCTTGCATAT	2040
QY	2041	GGCGTGCAGAGTACCGCTGTAGAGCTACTTACACACAGATACAGGGCATACAGGCTCA	2100
D6	2041	GGCGTGCAGAGTACCGCTGTAGAGCTACTTACACACAGATACAGGGCATACAGGCTCA	2100
QY	2101	GGATTTCTCTCAAAATATGGCGCAATATCTGAGATATCTTCAATTTTATAGTGTAT	2160
D6	2101	GGATTTCTCTCAAAATATGGCGCAATATCTGAGATATCTTCAATTTTATAGTGTAT	2160
QY	2161	TCTATCTCTCTTCCGGCGCTCTCTATAGTATATCTCTCTCTCTCTCTCTCTCTCTCT	2220
D6	2161	TCTATCTCTCTTCCGGCGCTCTCTATAGTATATCTCTCTCTCTCTCTCTCTCTCTCT	2220
QY	2221	TTCGATTCAGCTCTTCCCGACCTCTATCTCTCTATCTCTCTCTCTCTCTCTCTCTCT	2280
D6	2221	TTCGATTCAGCTCTTCCCGACCTCTATCTCTCTATCTCTCTCTCTCTCTCTCTCTCT	2280
QY	2281	GGACCTCTTCCACAGATATCTGAGACCTTACGAGCTTCTCTCTCTCTCTCTCTCTCT	2340
D6	2281	GGACCTCTTCCACAGATATCTGAGACCTTACGAGCTTCTCTCTCTCTCTCTCTCTCT	2340
QY	2341	CGACGACGCGCCAAATCTCTCTACGCTTATCTCTCTCTCTCTCTCTCTCTCTCTCT	2400
D6	2341	CGACGACGCGCCAAATCTCTCTACGCTTATCTCTCTCTCTCTCTCTCTCTCTCTCT	2400

Db	2341	CCAGGACCGAGCCACAAATCCCTCAGGTTATCCCTGTAGCTACTGTCGCCCTTTGGG	2450
Qy	2401	TCGCCTTTTCACTTGTCTGAGATTAGCCACGCCCGGTAGAGAAAGAGGGAGACAC	2460
Db	2431	TCCCTTTTCAATTTGTCTGAGATTTAGCCACGCCCGGTAGAGAAAGAGGGAGACAC	2460
Qy	2461	CATATTTTCTGTTCTGTGCTGACGCGACGCCCGGTAGATTTCAGTCGGGATTCGGCAAC	2520
Db	2461	CATATTTTCTGTTCTGTGCTGACGCGACGCCCGGTAGATTTCAGTCGGGATTCGGCAAC	2520
Qy	2521	GCCTGGAGAGACCTCGCTGATTTAGCCCGCATTCGCTGCCCTCTAGAGAAAGGACAGT	2580
Db	2521	GCCTGGAGAGACCTCGCTGATTTAGCCCGCATTCGCTGCCCTCTAGAGAAAGGACAGT	2580

```

1  RESULT 3
2  US-06-232-463-14
3  Sequence 14: Application US/08232463
4  Patent No. 6670567
5  GENERAL INFORMATION:
6  APPLICANT: DORNER, Y.
7  APPLICANT: SCHRIFFLER, F.
8  APPLICANT: FALKNER, P. G.
9  TITLE OF INVENTION: RECOMBINANT FOULPOX VIRUS
10 NUMBER OF SEQUENCES: 52
11 CORRESPONDENCE ADDRESS:
12 ADDRESSEE: Foley & Lardner
13 STREET: 1800 Diagonal Road, Suite 500
14 CITY: Alexandria
15 STATE: VA
16 COUNTRY: USA
17 ZIP: 22313-0259
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Floppy disk
20 COMPUTER: IBM PC compatible
21 OPERATING SYSTEM: PC-DOS/MS-DOS
22 SOFTWARE: Patentin Release #1.0, Version #1.25
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/232.463
25 FILING DATE:
26 CLASSIFICATION: 435
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: US/07/935.313
29 FILING DATE:
30 APPLICATION NUMBER: EP 91 114 300.6
31 FILING DATE: 26-AUG-1991
32 ATTORNEY/AGENT INFORMATION:
33 NAME: BENT, Stephen A.
34 REGISTRATION NUMBER: 29,768
35 REFERENCE/DOCKET NUMBER: 30472/114 IMMC
36 TELECOMMUNICATION INFORMATION:
37 TELEPHONE: (703)836-9300
38 TELEFAX: (703)683-4109
39 TELEX: 899149
40 INFORMATION FOR SEQ ID NO: 14:
41 SEQUENCE CHARACTERISTICS:
42 LENGTH: 7218 base pairs
43 TYPE: nucleic acid
44 STRANDEDNESS: single
45 TOPOLOGY: linear
46 IMMEDIATE SOURCE:
47 GENE: PT29pt-F15
48 US-06-232-463-14
49
50 Query Match 3.6% Score 91.8, DB 1, length 7218:
51 Best Local Similarity 3.4%: Pred. No. 4,4e-16;
52 Matches 12; Conservative 238; Mismatches 105; Indels 0; Gaps 0;
53
54 2082 TACAGGCGACAGAGGCTCAGGTTTCCTCAATTCGCGCCGCAAAATCGACGATTTCCTG 2141
55 ||||| | | ||| | : : : : : : : : : : : : : : : : : : : : : : : : : :
56 1344 TCGACGCTCGAGGAGCACTTCGCATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1103
57
58 2142 GATTTCCTTACTGTTTATATCTATTCCTTCGCGGCGCTCTAGTCTATTCCTTC 2201

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DB 1104 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1163
QY 2202 TCGTCGAGTCGTGGTCTTCTCGATCCACTCTTCCGCACTCCGCTACTCTTCCG 2261
DB 1164 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1223
QY 2262 ACCGACAGCTGGTTCCCGGAGCTCTTCTCCAGCATTCGTTGAGACCCGCTAGCTCT 2321
DB 1224 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1283
QY 2322 CAGTCAGCTCTGCCCCCTCCAGACCCGCAACATCCCTACGTTATCCCTAGCT 2381
DB 1284 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1343
QY 2382 ACTATCGTCGCCCTCTGATCCCTTTTCAGCTTGCTGATTAACGACCCGCC 2436
DB 1344 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1395

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RESULT 4

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US-08-149-695-1
: Sequence 1, Application US/08149635
: Patent No. 5412085
: GENERAL INFORMATION:
: APPLICANT: Allen, Rebecca L.
: APPLICANT: Lonsdale, David M.
: TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
: NUMBER OF SEQUENCES: 8
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: McAndrews, Heald and Malloy
: STREET: 500 W. Madison, 34th Floor
: CITY: Chicago
: STATE: Illinois
: COUNTRY: U.S.A.
: ZIP: 60661
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/149,635
: FILING DATE:
: CLASSIFICATION: E9C
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/911,512
: FILING DATE: 09-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Pochobien, Donald G.
: REGISTRATION NUMBER: 32167
: REFERENCE/DOCKET NUMBER: 92 P139
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (312)707-8889
: TELEFAX: (312)707-9155
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2873 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEtical: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Zea mays
: STRAIN: Line W22
: TISSUE TYPE: Pollen
: US-08-149-695-1

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Query Match 2.9% Score 76: DB 1: Length 2873:
Best Local Similarity 61.4% Pred. No. 1e-11:
Matches 172: Conservative 0: Mismatches 105: Indels 3: Gaps 3:

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QY 769 GGCCTGTTAGAGAGCCCTGCGCTGATGACCGAACATGATGGCCCAAAATGCA 828
DB 129 GTCCTGATGACCGGAGACACTGCTGCTGGCATACCGAGACGTCCGCTGCCAGACAG 188
QY 829 GCACACTCAAGTCTTTCCTGCTGCAATTTTATATGTCGTACTGAGATTTCTTTGGTT 888
DB 169 GCACCTCTGGTCTTCTGCTGCTCTTTCATACCCCTTAACCTTATGATGATGTT 248
QY 169 TGTGTTGACGCTTATGACCTGAGATTAATCATCTTACG-CCAAACTACTTATGCTCATG 546
DB 249 TGTGTTGACCTTATGACCTGAGATTAATCATCTTACG-CCAAACTACTTATGCTCATG 546
QY 547 TGTGTTGATGATGCTGACACTACTAAATCTATTATAGAAAGTGTAAACCTATTTC 1036
DB 309 CATTGCTGTTGGGAGATTCACACACCAAAATATTATTATAGGAAAGATTAACCTATTTC 368
QY 1207 CATTTC-AGCAGACTCTATATAGTCTTGACACTGACA 1045
DB 169 CATTTCATCTCCCTTTTGGTATGATGACCAACA 408

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RESULT 5

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US-08-377-228-1
: Sequence 1, Application US/08377228
: Patent No. 5545546
: GENERAL INFORMATION:
: APPLICANT: ALLEN, Rebecca L.
: APPLICANT: LONSDALE, David M.
: TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Foley & Lardner
: STREET: 3000 K Street, N.W., Suite 500
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20007-5109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/377,228
: FILING DATE: 24-JAN-1995
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/49,695
: FILING DATE: 09-NOV-1993
: PRIOR APPLICATION NUMBER:
: APPLICATION NUMBER: US 07/911,532
: FILING DATE: 09-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: BENT, Stephen A.
: REGISTRATION NUMBER: 29,768
: REFERENCE/DOCKET NUMBER: 33229/290/PIHI
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (202)672-5300
: TELEFAX: (202)672-5399
: TELEEX: 904136
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2873 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: US-08-377-228-1

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Query Match 2.9% Score 76: DB 1: Length 2873:
Best Local Similarity 61.4% Pred. No. 1e-11:
Matches 172: Conservative 0: Mismatches 105: Indels 3: Gaps 3:

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/713,569
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/459,156
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Marcus-Wyner, Lynn
REGISTRATION NUMBER: 34,563
REFERENCE/DOCKET NUMBER: 135-1096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)354-3588
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 662 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Zea mays
US-08-713-569-4

Query Match
Best Local Similarity 60.8%; Score 53; DB 4; Length 662;
Matches 121; Conservative 0; Mismatches 75; Indels 3; Gaps 2;

Cy 840 TCGTTGCTTCATTTTATGTCGTCCTACTGCAATTCCTTTGGTTGCTGGAAC 699
Db 855 TCGTTCGGAATATACGATTCGATTCGATTCGATTCGATTCGATTCGATTCG 796
Cy 900 TTATGCACTGATATATATATATATATATATATATATATATATATATATAT 959
Db 795 TTATGCACTGCTGCTGATATATATATATATATATATATATATATATATAT 737
Cy 960 TCGTCACTATATATATATATATATATATATATATATATATATATATATAT 1019
Db 736 TCGTCAACACCAATCGATATATATATATATATATATATATATATATATAT 675
Cy 1020 TGTATATATGCTGGAAC 1038
Db 678 CATATATATGTTGCAAC 660

RESULT 11
US-09-551-778-5/c
Sequence 5: Application US/09551778
Patent No. 6504084
GENERAL INFORMATION:
APPLICANT: Crane, Edmund H. III
APPLICANT: Rice, Douglas A.
APPLICANT: Sandahl, Gary A.
APPLICANT: Simmons, Carl R.
APPLICANT: Tossberg, John T.
APPLICANT: Zhang, Lingyu
TITLE OF INVENTION: Maize NRP1 Polynucleotides and Methods
FILE REFERENCE: 1090
CURRENT APPLICATION NUMBER: US/09/551,778
PUBLICATION FILING DATE: 2000-04-18
PUBLICATION APPLICATION NUMBER: 69/130,692
EARLIER FILING DATE: 1999-04-23
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5

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LENGTH: 2715
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: promoter
LOCATION: (1)...(2715)
US-09-551-778-5

Query Match
Best Local Similarity 54.5%; Score 45; DB 4; Length 2715;
Matches 90; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Cy 188 GTGGCCCGACCGACGCTTGCTGCTACCGGACAGTCCGGTACACGACGATCCG 247
Db 352 GTGACCCGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 293
Cy 248 ATTATACCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 307
Db 292 GACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 233
Cy 308 GCGCAGCGGACACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 352
Db 232 GTGACCCGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 188

RESULT 12
US-09-551-778-3/c
Sequence 3: Application US/09551778
Patent No. 6504084
GENERAL INFORMATION:
APPLICANT: Crane, Edmund H. III
APPLICANT: Rice, Douglas A.
APPLICANT: Sandahl, Gary A.
APPLICANT: Simmons, Carl R.
APPLICANT: Tossberg, John T.
APPLICANT: Zhang, Lingyu
TITLE OF INVENTION: Maize NRP1 Polynucleotides and Methods
FILE REFERENCE: 1090
CURRENT APPLICATION NUMBER: US/09/551,778
PUBLICATION FILING DATE: 2000-04-18
PUBLICATION APPLICATION NUMBER: 60/130,692
EARLIER FILING DATE: 1999-04-23
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7789
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: promoter
LOCATION: (1)...(2715)
NAME/KEY: 5'UTR
LOCATION: (2716)...(2781)
NAME/KEY: exon
LOCATION: (2782)...(3435)
NAME/KEY: intron
LOCATION: (3436)...(3987)
NAME/KEY: exon
LOCATION: (3988)...(4738)
NAME/KEY: intron
LOCATION: (4739)...(5274)
NAME/KEY: exon
LOCATION: (5275)...(5475)
NAME/KEY: intron
LOCATION: (5476)...(5665)
NAME/KEY: exon
LOCATION: (5666)...(5922)
NAME/KEY: 3'UTR
LOCATION: (5923)...(6124)
US-09-551-778-3

Query Match
1.7%; Score 45; DB 4; Length 7789;

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